

AUTOMATED DATA WAREHOUSE FOR DEMAND FULFILLMENT SYSTEM

Melissa Beebe
Heather Fenner

ABSTRACT OF THE DISCLOSURE

5 An automated data warehouse for a demand fulfillment system to provide current
supply and demand for generating a work schedule and a material delivery schedule for
manufacturing items built to customer order. The automated data warehouse includes
outstanding customer orders for items as an accurate measure of current demand, and a
current state of an available inventory of material for producing the items as an accurate
10 measure of current supply. The automated data warehouse includes a continuously updated
location of a quantity of material from the time the material is accepted into available
inventory, during movements from one material source to another, throughout work-in-
progress, until the time that the material is consumed. A work schedule and a material
delivery schedule are generated periodically to keep up with consumption of materials and
15 fulfillment of customer orders using the automated data warehouse as the source of current
supply and demand.